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ITW \$B 1623

PTO/SB/21 (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/056,121	
	Filing Date	01/23/2002	
	First Named Inventor	Wellinghoff	
	Art Unit	1623	
	Examiner Name	Killos, P.	
Total Number of Pages in This Submission	7+	Attorney Docket Number	SWRI-2835-07

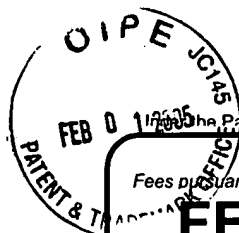
ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): 1) 35 References; 2) Credit Card Payment Form PTO-2038; 3) Certificate of Mailing 37 CFR 1.10; and 4) Return Receipt Postcard.
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Paula D. Morris, Reg. No. 31,516
Signature	<i>Paula D. Morris</i>
Date	2-1-05

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Typed or printed name	Please see attached certificate of mailing under 37 CFR 1.10		
Signature		Date	

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANSMITTAL For FY 2005		Application Number	10/056,121
		Filing Date	1-23-2002
		First Named Inventor	Wellinchoff, et al.
		Examiner Name	Killos
		Art Unit	1623
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	SWRI-2835-07
TOTAL AMOUNT OF PAYMENT	(\$)	\$180.00	

METHOD OF PAYMENT (check all that apply)

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	790	395	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims 0 - 20 or HP = 9 x 50 = 0

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims 0 - 3 or HP = 0 x 200 = 0

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
<u> </u> - 100 = <u> </u> / 50 = <u> </u> (round up to a whole number) x <u> </u> = <u> </u>				

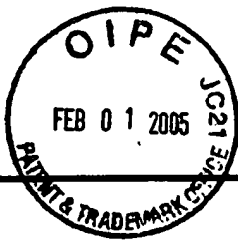
4. OTHER FEE(S)

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): <u>Supplemental Information Disclosure Statement</u>	<u>\$180.00</u>

SUBMITTED BY		
Signature	<u>Paula Morris</u>	Registration No. (Attorney/Agent) <u>31,516</u>
Name (Print/Type)	<u>Paula D. Morris</u>	Telephone <u>713.334.5151</u>
		Date <u>2-1-05</u>

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Applicant:	<u>Wellinghoff, et al.</u>	Group Art Unit:	<u>1623</u>
Serial No.:	<u>10/056,121</u>	Examiner:	<u>Killos</u>
Filing Date:	<u>1-23-2002</u>	Atty. Docket No.:	<u>SWRI-2835-07</u>
Title:	<u>Novel Mesogens</u>		



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wellinghoff, et al. § Group Art Unit: 1623
Serial No.: 10/056,121 Examiner: Killos
Filed: 01/23/2002 Atty. Docket No.: SWRI-2835-07
(previously 2835-04)
Title: Novel Mesogen



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Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the references listed on the attached Forms PTO/SB/08A and PTO/SB/08B be considered by the Examiner and made of record.

This Supplemental Information Disclosure Statement is not to be considered as a representation that a search has been made or that no other material information as defined under 37 C.F.R. § 1.56 exists.

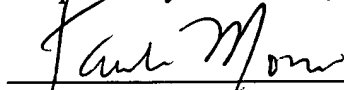
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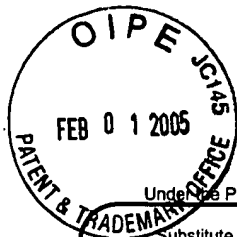
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Respectfully submitted,


Paula D. Morris, Registration No. 31,516
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 6

Complete if Known

Application Number	10/056,121
Filing Date	01-23-2002
First Named Inventor	Wellinghoff
Art Unit	1623
Examiner Name	Killos
Attorney Docket Number	SwRI-2835-07

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,808,108	09-15-98	Chappelow, et al.	
		US- 2004/0144954 A1	07-29-2004	Wellinghoff	
		US- 4,914,221	04-03-1990	Winkler, et al.	
		US- 6,204,302	03-20-2001	Rawls, et al.	
		US- 2002/0036285 A1	03-28-2002	Prechtl, et al.	
		US- 6,699,405 B2	03-02-2004	Prechtl, et al.	
		US- 6,194,481 B1	02-27-2001	Furman, et al.	
		US- 2003/0055280 A1	03-20-2003	Wellinghoff, et al.	
		US- 2003/0036609 A1	02-20-2003	Wellinghoff, et al.	
		US- 2003/0168633 A1	09-11-2003	Wellinghoff, et al.	
		US- 5,624,976	04-29-1997	Klee	
		US- 6,649,230	11-18-2003	Seiberle, et al.	
		US- 2004/0199004	10-07-2004	Wellinghoff, et al.	
		US- 4,201,856	05-06-1980	Jackson Jr	
		US- 6,303,050	10-16-2001	Dannenhauer, et al.	
		US- 2002/0013382	01-31-2002	Furman, et al.	
		US- 6,696,585	02-24-2004	Wellinghoff, et al.	
		US- 6,743,936	06-01-2004	Wellinghoff, et al.	
		US- 6,410,765	06-25-2002	Wellinghoff, et al.	

FOREIGN PATENT DOCUMENTS

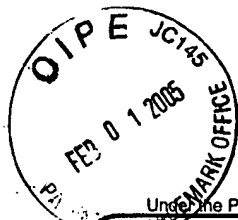
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		WO 02/070543 A2	09-12-2002	Univ. of Texas		
		EP 0159887 A2	10-30-1985	Minnesota Min		
		WO 79/01040	11-29-1979	Eastman Kodak		
		WO 94/16129	07-21-1994	PPG Industries		
		EP 0 242 278 A2	10-21-1987	U. of Illinois		

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Complete if Known

Application Number	10/056,121
Filing Date	01-23-2002
First Named Inventor	Wellinghoff
Art Unit	1623
Examiner Name	Killos
Attorney Docket Number	SwRI-2835-07

Sheet **2** of **6****U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,695,617	02-24-2002	Wellinghoff, et al.	
		US- 6,417,244	07-09-2002	Wellinghoff, et al.	
		US- 6,414,092	07-02-2002	Coates	
		US- 2003/0125435 A1	07-03-2003	Norling	
		US- 5,024,850	06-18-1991	Broer	
		US- 6,291,035	09-18-2001	Verrall	
		US- 6,217,955	04-17-2001	Coates	
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		US- 6,117,920	09-12-2000	Jolliffe	
		US- 6,144,428	11-07-2000	Schadt	
		US- 2002/0177727 A1	11-28-2002	Wellinghoff	
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FOREIGN PATENT DOCUMENTS

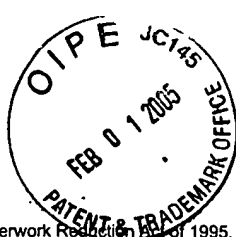
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Sheet 3 of 6

NON PATENT LITERATURE DOCUMENTS

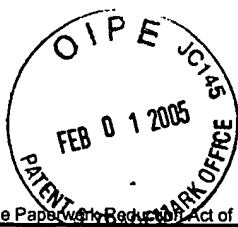
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		CHOI, Rheological studies on sterically stabilized model dispersions of uniform colloidal spheres. II. Steady-shear viscosity, J. Colloid Interface Science., September 1986, pp. 101-113, Vol. 113(1), Academic Press, Inc.	
		CONDON, Reduction of composite contraction stress through non-bonded microfiller particles, Dental Materials, July 1998, pp. 256-260, Vol. 14.	
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		LIU, Constant-volume polymerization of composites by addition of ammonia-modified montmorillonite, American Journal of Dentistry, April 1990, pp. 44-50, Vol. 3(2).	
		MILLICH, Elements of light-cured epoxy based dental polymer systems, J. Dent. Res., April 1998, pp. 603-608, Vol. 77(4).	
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		STANSBURY ET AL, Cyclopolymerizable Monomers for use in dental resin composites, J. Dent. Res., March 1990, pp. 844-848, Vol. 69(3).	
		UNO ET AL, Marginal adaptation of a restorative resin polymerized at reduced rate, Scand. J. Dent. Res., 1991, pp. 440-444, Vol. 99(5).	

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Considered

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Sheet 4 of 6

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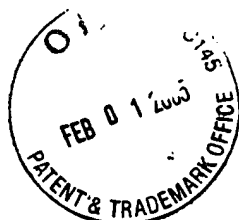
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		HOLMBERG, Ester Synthesis with Dicyclohexycarbodiimide Improved by Acid Catalysts, Acta Chemica Scandinavica, 1979, pp. 410-412, Vol. B 33.	
		NAKAMURA, Characterization of Epitaxially Grown ZnS : Mn Films on a GaAs(100) Substrate prepared by the Hot-wall Epitaxy Technique, J. Mater. Chem., 1991, pp. 357-359, Vol. 1(3).	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/056,121
		Filing Date	01-23-2002
		First Named Inventor	Wellinghoff
		Art Unit	1623
Examiner Name	Killos		
Attorney Docket Number	SwRI-2835-07		
Sheet	5	of	6

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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		GENG, Targeted Drug Release by a Novel Polymeric Device Based on EVA (Ethylene Vinyl Acetate) For Periodontal Condition, (ABSTRACT).	

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		BOLAND ET AL, Cell Survival and Cytokine Expression by Dental Cells Treated with a Liquid Crystal Resin Monomer, J. Dent. Res., 2001, pp. 151 (Abstract 928), Vol. 80.	
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		PANYAYONG, Effects of Corn-Starched & Primer Additions on Mechanical Properties of Provisional Dental Resin, (ABSTRACT).	

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